

**BANGLADESH RURAL ELECTRIFICATION BOARD**

**PBS INSTRUCTION 100-20  
BREB INSTRUCTION 500-07**

**ENERGIZATION AND COMMISSIONING OF ELECTRIC NETWORK  
SYSTEM (ELECTRIC LINES OR LINE SECTION AND SUB-STATION)**

**BANGLADESH RURAL ELECTRIFICATION BOARD**  
**PBS INSTRUCTION 100-20/ BREB INSTRUCTION 500-07**

Approval Date: 07/03/1979  
Revision Date : 19/02/2020

**SUBJECT: ENERGIZATION AND COMMISSIONING OF ELECTRIC NETWORK  
SYSTEM (ELECTRIC LINES OR LINE SECTION  
AND SUB-STATION)**

**I. PURPOSE**

To establish and set forth BREB policy procedure with respect to the energization and the commissioning of electric network system and the required approvals and notifications prerequisite to the energization.

**II. GENERAL**

The energization of electric network system is for the purpose of connecting the system to its source of power and testing the equipment and construction for satisfactory performance. Commissioning of the system is the act of turning the system over to the PBS for operation and service to its consumer members.

**III. POLICY AND PROCEDURE**

A. In order to provide electric service to members and other consumers at the earliest possible date and to assist in the elimination of conductor theft, it shall be the policy of BREB and PBS to energize electric lines or line sections as soon as they are ready for service.

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## B. Final Joint Inspection

Before energization of sub-station and electric lines, the Contractor will request or final inspection of the sub-station/electric lines along with a free hand single line diagram of the line section to be energized and duly filling up 5 (five) copies of BREB Form No. 459 (Notice of Electric Sub-Station/ Line Energization Form). On receiving the request of final inspection the consultant will thoroughly check sub-station/electric lines and will identify deviations if any and will notify the contractor to rectify those deviations within stipulated time of 7(seven) days or less. After rectification the contractor will notify the consultant that the deviations have been rectified and the sub-station/electric lines are now ready for final inspection. The Consultant will forward this notification to the AE of BREB or AGM(E&C)/AGM(O&M)/DGM(Tech-HQ) of PBS to organize joint (final) inspection. In case of construction is being carried out by BREB, AE of BREB will fix up a date for joint (final) inspection and inform the contractor, consultant and PBS. In case of construction is being carried out by PBS, AGM(E&C)/AGM(O&M)/DGM(Tech-HQ) of PBS will fix up a date for joint (final) inspection and inform the contractor and consultant.

The joint inspection will be conducted by the following persons.

- (a) Representative of BREB (For Sub-station AE, for electric line AE or his/her representative)
- (b) Representative of PBS, AGM (E&C)/ AGM(O&M) or selected by him/ her (not below the rank of AJE).
- (c) Consultant's Engineer (not below the rank of Junior Engineer)

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(d) Contractor's Supervisor/ Representative.

In case of construction by PBS, representative of BREB may not be required to attend.

During the final joint inspection As Built Staking Sheet will be verified for its

correctness. If the final joint inspection finds the system satisfactory then, the representatives will sign the As-Built Staking Sheets as endorsement of acceptance.

### C. Energization

In order to establish the responsibility for the electric lines operation with the PBS, the 5 (five) copies of Notification of Electrical Sub-station/ Line Energization BREB Form No.459 will be forwarded to the Executive Engineer or Sr. GM/ GM by the Consultant. In case the construction is being carried out by BREB, the Executive Engineer will approve the Energization Notice and post his/ her records of electric lines to be turned over to the PBS for operation and forward 2 copies to the AGM(O&M), 1 copy to Consultant & 1 copy to Contractor 7 (seven) days ahead of Energization date. In case the construction is being carried out by PBS, the Senior General Manager/ General Manager will approve the Energization Notice and post his/ her records of electric lines for operation and forward 2 copies to the AGM(O&M), 1 copy to Consultant & 1 copy to Contractor 7 (seven) days ahead of Energization date.

The AGM(O&M) of PBS will fix a date for energization. If an interruption of service to an electric line that will feed the new line section is required, then the Notice should be accompanied by the necessary "Request for Outage" (BREB Form No. 458). Upon receipt of the Notice of Electrical Line Energization, the AGM(O&M) will make a physical inspection of the electric line and line equipment, familiarize him/

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herself with the customers to be served, schedule meter sets and service connections, and post his/ her operating maps and records as to the electrical line in service. Posting of information in the operating maps must be completed within seven (7) days.

1. Energization of Sub-stations and electric lines will be done by the PBS's personnel under the direction and supervision of the PBS's engineer, Consultant, the BREB officials and Contractor or other authorized officer.
2. Only those employees of the PBS, who have been successfully trained to energize RE system will be permitted to participate in the energization.
3. Distribution transformers shall remain disconnected from the primary HV conductor.
4. Approved Engineers of BREB to act as Government Electrical Inspectors must be notified in advance of energization to permit them to make an inspection of the system before energization.
5. A notice must be placed either in the press in the area, where energization of electric lines is to take place notifying the public of that fact or the public may also be notified by local announcement.
6. The system shall be energized in segments, beginning with the sub-station and continuing from sectionalizing point to sectionalizing point working outward from the sub-station.
7. Switches and sectionalizing devices shall be operated to ensure their satisfactory operation.
8. Particular attention should be given to junctions and taps from the primary line to observe see that all connections have been properly made in the system neutral.
9. No electric line shall be energized until it is totally complete including LT under-build. Daily interruptions after energization is not desirable. For backbone

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electrical lines may be partly energized for the safety of the conductors. In case of energization of other three phase lines, the section shall be between two sectionalizing points or between HT dead ends those are a part of the original line design. HT and LT laterals from the line section need not be completed prior to the energization of the line section. Single phase lines will normally be energized only after the entire line is completed, complete with LT under build and transformer installations.

The only exception to this will be where the extreme end of the electric line cannot be completed for an extended period of time because of high water, shortage of materials and construction obstacle. It shall be assumed that all LT lines and laterals served by the HT line being energized will also be energized at the same time or not later than one week after the HT line is energized and that the LT lines can be safely energized without interrupting service to the HT line which serves it.

10. Formal energization of sub-station shall be made by using BREB Form No. 459, after performing necessary testing and commissioning works. Before formal energization, prescribed form of testing and commissioning will have to be filled up with the signatures by the members of standing committee of sub-station testing and commissioning. Sub-station testing and commissioning shall be carried out in accordance with the procedure laid down in Sub-station Testing and Commissioning section of PBS Instruction 100-29. Filled up form of Sub-station testing and Commissioning shall be a part of BREB Form No. 459 for energization a Sub-Station.

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11. Before energization a sub-station and electric lines the followings must be completed:

- (a) Joint Inspection;
- (b) Right of Way clearing;
- (c) Joints and connections are properly made;
- (d) Public notification by Newspaper/local announcement;
- (e) Distribution transformers are isolated from electrical lines.
- (f) Energization is programmed to charge electric line sections progressively from source end.
- (g) Programmed charging of Distribution Transformers when consumers complete their house wiring.
- (h) Transformer Record Card is filled in and updated electronically.
- (i) Testing and commissioning form is filled up for sub-station.

## VI. SUBSTATION TESTING & COMMISSIONING

### A. General

There are two sets of forms designed for the purpose of sub-station testing and commissioning. These forms are to be filled out prior to commercial commissioning and energization of Sub-station. All construction works of the Sub-station are to be completed before testing and commissioning.

The two sets of testing and commissioning forms enclosed herewith as follows-

- (a) Sub-station Testing and Commissioning Form No. 100-20-01 (7 pages) must be filled out for both Outdoor and Indoor type Sub-station prior to commercial commissioning and energization;
- (b) Sub-station Testing and Pre-Commissioning Form No. 100-20-02 (6 pages) must be filled out along with Form No. 100-20-01 only for Indoor type Sub-station prior to commercial commissioning and energization;

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## B. Guidelines

Where test result data is required, Sub-station Construction Division of BBEB will be designated to carry out the testing. It is the responsibility of the Executive Engineer of the said Sub-station Construction Division to ensure that the testing is done as per professional and approved methods. He/ She or his/ her representative (not below the rank of Assistant Engineer) will sign the form at the time of testing. Where two signatures are required, the Executive Engineer of Sub-station Construction Division and his/ her most immediate subordinate will sign the form.

During pre-commissioning stage of indoor type sub-station, computer generated Testing and Pre-Commissioning Form 100-20-02 (6 pages) shall be used in presence of a technical team. All members of this technical team shall witness the Pre-commissioning Report. The Technical Team shall be consisted as follows-

- AE of Sub-station construction division, BREB
- AGM(E&C) of concerned PBS
- One Technical Representative from Contractor
- One Technical Representative from Consultant

All data entries will be done in **BLOCK LETTERS**.

All equipment nomenclature will be entered on the form before the substation is scheduled for commissioning.

All required Insulation and Continuity Tests will be performed before the permanent leads are connected. The equipment will be tested before the final connection is made. This will eliminate the need to remove the leads at a later date for retesting.

All required Oil Dielectric Test samples will be made and all results recorded before the substation is scheduled for commissioning.

All Mechanical/ Electrical Tests and Inspection Results will be completed before the Sub-station is scheduled for commissioning.

Upon completion of Testing and Commissioning, the equipment installation and operation manuals will be handed over to the PBS. Sub-station Testing, Commissioning and initial energization shall be completed by a standing committee. The committee will be formed as follows-

- Representative of Sub-station Construction Division of BREB (Not below the

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- rank of Assistant Engineer)
- (b) Technical Representative of PBS( Not below the rank of AGM)
  - (c) Representative of Contractor
  - (d) Representative of Consultant

**CAUTION**

**OBSERVE ALL PRECAUTIONS- THERE IS INCREASED RISK TO DANGER ON INITIAL EQUIPMENT ENERGIZATIONS. EQUIPMENT OPERATIONS ONLY BE PERMITTED WITHIN THE FENCED AREA UPON INITIAL ENERGIZATION.**

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**BREB Form No. 100-20-01(Version-1)** (Page- 1 of 7)  
**SUBSTATION TESTING & COMMISSIONING FORM**

PBS: ----- Sub-Station Name: -----  
 Capacity (MVA)----- ID No.: -----  
 Length of 33 Source Line: ----- Km      Date of Commissioning: -----  
 Name of Source Grid: -----

**A. SUBSTATION EQUIPMENT DATA AND READINGS**  
**(1) POWER TRANSFORMERS**

Transformer Type	Three Phase		Single Phase			
	X-er: 1	X-er: 2	R	Y	B	Spare
Location						
1. Serial No.						
2. Manufacturer						
3. Winding Temp (°C)						
4. Liquid Temp (°C)						
5. Pressure(PSI/MPA)						
6. Liquid Level						

**(2) ACR/ OCR/ BREAKER**

Location Particulars	33 KV	11 KV Feeder					
		1A	2B	3C	4D	5E	6F
Type (ACR/OCR/Breaker)							
Serial Number							
Manufacturer							
Rating (Amps)							
Counter Reading							
Oil Level							
Remarks							

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**(3) VOLTAGE REGULATORS**

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Phase	Name of Manufacturer	Serial No.	Rating (A)	Counter Reading	Oil Level	SETTINGS:-
R						Time Delay: -----
Y						Bandwidth: -----
B						Voltage : -----
						Resistance: -----
						Reactance: -----

**(4) METERING AND PANEL**

Type of Meter: ----- Meter Serial No.: -----

Meter Reading while energizing: ----- KWH

CT Ratio while energizing: ----- PT Ratio while energizing: -----

Multiplying Factor: ----- (In Word-----)

SL No.	Particulars	Reading	Remarks
1	KWHD		
2	KVARHD		
3	Instantaneous KWD		
4	Instantaneous KVAR		
5	Instantaneous KVA		
6	Instantaneous KV (A)		
7	Instantaneous KV (C)		
8	Instantaneous PF		
9	Max KWD		
10	Max. KVA		
11	PWD		
12	Instantaneous KV (A)		
13	Instantaneous KV (C)		
14	SAS (Sub-station Automatic System)		
15	CRP (Control Relay Panel)		

1. Reading Taken by any member of the Standing Committee (Name & Designation with Seal & Signature):
2. Reading Witnessed by other members of the Standing Committee (Name & Designation with Seal & Signature):

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**B. OIL DIELECTRIC STRENGTH TEST RESULTS (KV) OF EQUIPMENT**

**(1) POWER TRANSFORMERS**

Type	Location	Manufacturer	Serial No.	Job No.	Test Date	Test Result
3-Ø	Transformer-1					
	Transformer-2					
1-Ø	No. 1 (R)					
	No. 2 (Y)					
	No. 3 (B)					
	No. 4 (Spare)					
Station Transformer						

**(2) VOLTAGE REGULATORS**

Phase	Manufacturer	Serial No.	Job No.	Test Date	Test Result
Red					
Yellow					
Blue					

**(3) ACR/ OCR/ VCB/ BREAKER (NOTE: Test in Open Position (Yellow Handle down))**

Location	Manufacturer	Serial No.	Job No.	Test Date	Test Result
1. 33KV Incoming					
2. 11KV Feeder '1A'					
3. 11KV Feeder '2B'					
4. 11KV Feeder '3C'					
5. 11KV Feeder '4D'					
6. 11KV Feeder '5E'					
7. 11KV Feeder '6F'					

1. Tests Performed by any member of Standing Committee (Name & Designation with Seal & Signature):
2. Tests Witnessed by other members of Standing (Name & Designation with Seal & Signature):

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**C. INSULATION AND CONTINUITY TEST RESULTS (RESULTS IN MEGAOHMS)****(1) POWER TRANSFORMER (RESULTS IN MEGAOHMS)**

Type	Location	Manufacturer	SL. No.	HT-Grd	LT-Grd	H1-H2-H3	X1-X2-X3
3-Ø	X-er1						
	X-er2						
1-Ø	R						
	Y						
	B						
	S						
Station X-er							

**(2) VOLTAGE REGULATOR (RESULTS IN MEGAOHMS)**

Phase	Manufacturer	Serial No.	S-GRD	L-GRD	SL-GRD	SL-L	SL-S	S-L
Red								
Yellow								
Blue								

**(3) ACR/ OCR/ VCB/ BREAKER (RESULTS IN MEGAOHM)****NOTE: TEST IN OPEN POSITION (YELLOW HANDLE DOWN)**

Location	Source-Grd			Load-Grd			Source			Load		
	R	Y	B	R	Y	B	R-Y	Y-B	B-R	R-Y	Y-B	B-R
33KV Incoming												
11KV Feeder '1A'												
11KV Feeder '2B'												
11KV Feeder '3C'												
11KV Feeder '4D'												
11KV Feeder '5E'												
11KV Feeder '6F'												

BANGLADESH RURAL ELECTRIFICATION BOARD				
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(Md. Masibur Rahman)  
Consultant, TAPP, BREB

(Md. Duhridul Islam)  
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(Md. Mozammel Haq)  
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(Md. Abdul Khaleque)  
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(Md. Ahsanul Haque,  
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(Debasish Chakraborty)  
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(Kamrul Ahsan Mollik)  
Asst. Secy. (Board), BREB

**(4) LIGHTNING ARRESTERS (RESULTS IN MEGAOHMS)**

Location	R- Phase		B- Phase		Y- Phase		Spare	
	SL No.	Reading	SL No.	Reading	SL No.	Reading	SL No.	Reading
33KV Incoming								
Power X-er HT								
Power X-er LT								
11KV Feeder '1A'								
11KV Feeder '2B'								
11KV Feeder '3C'								
11KV Feeder '4D'								
11KV Feeder '5E'								
11KV Feeder '6F'								

**(5) INSTRUMENT TRANSFORMERS (RESULTS IN MEGAOHMS)**

Equipment	Phase	Manufacturer	SL No.	HT-GRD	LT-GRD	H1-H2	HT-LT
CT	R						
CT	Y						
CT	B						
PT	R						
PT	Y						
PT	B						

**(6) GROUND RESISTANCE TEST RESULTS (RESULTS IN OHM)**

SL No.	Distance of Test Probe #1 From Instrument (M)	Distance of Test Probe #2 From Instrument (M)	Resistance of Ground Grid to Earth (Ohms)	Average Reading (Ohm)
1				
2				

1. Tests Performed by any member of Standing Committee (Name & Designation with Seal & Signature):
2. Tests Witnessed by other members of Standing (Name & Designation with Seal & Signature):

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Asst. Secy (Road)

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**D. MECHANICAL TESTS AND OVER ALL INSPECTION RESULTS**

SL No.	Items	Result (OK/ Not OK)	Name, Designation & Office/ Organization	Signature
1	Equipment Lead Connections Tightness			
2	Bus Assembly and Connections (33 KV & 11 KV)			
3	33 KV Air Break Switch Alignment and Adjustment (Switch No. 199)			
4	11 KV Air Break Switch Alignment and Adjustment (Switch No. 166).			
5	11 KV Feeder Disconnect Switches Alignment and Adjustment			
6	Conduit Installation and Connections			
7	Equipment & Yard Ground Connections			
8	Yard Civil Works and Finishing			
9	Control Building Construction (if any)			
10	Security Post, Guard Room Construction			
11	Foundation of Control Building and Equipment Pad			
12	Boundary Wall, Fence, Gate Installation			
13	Steel structure Erection Inspection			

1. Tests Performed by any member of Standing Committee (Name & Designation with Seal & Signature):
2. Tests Witnessed by other members of Standing (Name & Designation with Seal & Signature):

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-20/ BREB Instruction 500-07:				
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৬১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

**DECLARATION**

We the undersigned checked the above mentioned works and equipment, verified test data and found the results satisfactory on today ----- 20----. This outdoor/ indoor type sub-station is ready for energization and fit for commercial operation.

SL No.	Name	Designation & Office/ Organization	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

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(Kamrul Ahsan Mollah)  
Asst. Secy. (Board), BREB



**BANGLADESH RURAL ELECTRIFICATION BOARD**

BREB Form No. 100-20-02 (Version-1)

(Page- 1 of 7)

**TESTING & PRE-COMMISSIONING FORM FOR INDOOR TYPE SUBSTATION**

PBS: ----- Sub-Station Name: -----  
 Capacity (MVA)----- ID No.: -----  
 Length of 33 Source Line: ----- Km Date of Commissioning: -----  
 Name of Source Grid: -----

SL No.	Item No.	Description of Items	Completion Status (OK/ Not OK/ Not Done)	Remarks
<b>01</b>		<b>DESIGN SERVICES</b>		
(a)		All design & drawings for specific site sub-station		
(b)		All other documentation works like 5 (five) sets of As-Built Drawings, Cable schedule Drawing, Sub-station Operation and Maintenance Manual etc.		
<b>02</b>		<b>ELECTRICAL</b>		
(a)		All switchyard Mechanical and Electrical Equipment (Power Transformer, Station Transformer, Breaker, CT/PT, etc.) installation including cables Termination to Control Building.		
(b)		33 KV RTCC & Transformer Panel Installation in Control Room with all accessories and cable terminations		
(c)		11 KV Switchgear Panel Incomer Panel, Bus coupler Installation in Control Room with all accessories and cable terminations.		
(d)		Battery, Battery Charger & AC-DC Distributional Panel Installation, AC Panel to MDB connection in Control Room with all accessories and cable terminations.		

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*(Kamrul Ahsan Mollah)*  
Asst. Secy. (Board), BREB


(e)	Installation of Neutral cable, Outside Industrial Socket all out going feeders and other cables termination with properly laying, clamping and labeling incoming all Mechanical & Electrical accessories as approved.		
(f)	Supply and Installation of Sub-station Earthing System (Ground mesh & Copper clad rod with cad welding)		
(g)	Sub-station Earthing System linked with Mechanical and Electrical Equipments, Control Building surge protection & all other steel accessories like Fence, Main Gate, Barbed Wire etc.		
(h)	Supply and Installation of Sub-station Lighting System (Emergency Light and Switchyard area Light)		
(i)	Sub-station all Equipment Testing & Commissioning including both transformer & all Outgoing Feeders		
(j)	33 KV & 11 KV CT & PT metering and protection core accuracy test relay operating coordination test.		
(k)	Earth resistance test and results		
(l)	Equipment Testing Report submission		
<b>03</b>	<b>CIVIL &amp; OTHERS</b>		
(a)	Completion of Control Building Foundations, Ground Floor, Slab-1 & Slab-2 including stairs case		
(b)	Control Building Brick Works and Facing Bricks Works		
(c)	Control Building Plaster, Mosaic/ Tiles Works		
(d)	Fitting, fixing and finishing of Grill with paint, Glass with aluminum frame for window and other openings		
(e)	Fitting, fixing and finishing of Glass Door for Control Building and all others doors.		
(f)	Control Building False Ceiling installation and leveling		


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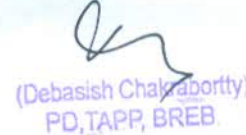
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(g)	Stair Case Railing and Lime Concrete finishing on Roof Top.		
(h)	Plumbing, Electrical Wiring, Switch-Sockets, Fans, Exhaust Fans, Lighting Works of Control Building		
(i)	Sanitary fitting in Wash Room & Toilets, Building Front Ramp/ Stair Finishing.		
(j)	Control Building Painting Works (Inner, Plastic Paint, and Other Weather Coat)		
(k)	Complaint Room Counter Slab, Plinth Protection Works, Steel Door for Duct Room, Cat Ladder, final paint & Other miscellaneous works.		
(l)	All Foundations of Switchyard and Plinths including provisional equipment foundations.		
(m)	Switchyard final civil works for drainage system with out-let pit, all cable trenches & ducts including cover slab/ duct sealing.		
(n)	Installation of all switchyard supporting structures e.g. CB structure, LA structure, Landing structure including control building all accessories/ components required for fitting & fixing up to commissioning.		
(o)	Site Development/ Earthworks including leveling and brick fill up to FGL.		
(p)	Construction of internal roads (as required), Pump House, Septic Tank, Sock Pit, Approach road, back filling, beautification (e.g. gardening) and all other final finishing works.		
(q)	Construction of RCC retaining wall up to grade beam level.		
(r)	Construction of RCC retaining wall up to FGL level.		
(s)	Completion of Boundary Wall with weather coat paint and barbed wire		

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(Kamrul Ahsan Mollah)  
Asst. Secy.

(t)	Completion of Chain Link fencing and gates as per approved layout.		
(u)	Completion Guard House, Main Gate and Site access road.		
(v)	Sub-station yard surface finishing with 1" - 1.25 " washed stone gravelling of 4" depth.		
(w)	Supply and Installation of Air Conditioning System in Control Room with all accessories and properly laid water drainage pipes (2 tons 4 nos.)		
(x)	Supply and Installation of water pump motor set with all accessories/ components required for fitting & fixing in required depth for drinking water supply including pump house.		
(y)	Supply and Installation of ----- liter (----- British gallon) overhead water tank including all pipe connection complete as required at site.		
(z)	Supply and Installation of Fire Detection and Protection Facilities in control room building including all accessories.		
(aa)	Installation of Sand Bucket & Fire Extinguishers (Dry Chemical Powder Type 6 Kg) adjacent to Power Transformer (2) + (CO <sub>2</sub> Type 5 Kg): Control Room (2) & complaint Room		
<b>04</b>	<b>ENVIRONMENTAL (ESMF Related) WORKS</b>		
(a)	Supply of First Aid Box with standard contents.		
(b)	Site cleaning dust control, solid and organic waste management, temporary fencing at construction area, site leveling, dressing etc.		

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Asst. Secy (Board)

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(c)		Provide PPE, Supply drinking water and arrange accommodation with proper sanitation facilities to the labors.		
(d)		Find the depth of ground water level at least two locations of the site to meet the requirement of all parameters for drinking water standard.		
<b>05</b>		<b>MISCELLANEOUS</b>		
(a)		Delivery of Furniture for Control Room (Table with side rack: 1, Revolving Chair: 1, Visiting Chair: 4, File Cabinet of three drawer: 1, Computer Table: 1)		
(b)		Delivery of Desktop Computer including all accessories/ Components.		
<b>06</b>		<b>TECHNICAL (O&amp;M) TRAINING SERVICES</b>		
		Provide 7 days Technical Training for 8 Nos. of BREB/ PBS personnel against each Sub-station on operation, maintenance, protection and control.		
<b>07</b>		<b>OTHERS</b>		
(a)		Site safety Sign & Awareness Notice		
(b)				
(c)				


Sub-station &amp; Site Handover Status:


 Accepted Not Accepted


1. Pre-Commissioning performed by (Name & Designation with Seal & Signature):
2. Pre-Commissioning Witnessed by the members of Technical Team (Name & Designation with Seal & Signature):


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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

Notes(If any):

BANGLADESH RURAL ELECTRIFICATION BOARD				
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(Debasish Chakraborty)  
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**DECLARATION**

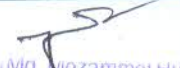
We the undersigned checked the above mentioned works and equipment, verified performance and quality of works and found satisfactory as a part of Testing and Pre-commissioning on today ----- 20----. The indoor type Sub-station is ready for energization and fit for commercial operation.


SL No.	Name	Designation & Office/ Organization	Signature
01			
02			
03			
04			
05			
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07			
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BANGLADESH RURAL ELECTRIFICATION BOARD				
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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

  
 (Kamrul Ahsan Mollah)  
 Asst. Secy. (Board), BREB.

**BANGLADESH RURAL ELECTRIFICATION BOARD**

BREB Form No. 458

**REQUEST FOR OUTAGE**

Serial: \_\_\_\_\_

Date: \_\_\_\_\_

1. To \_\_\_\_\_ AGM(O&M) of \_\_\_\_\_ PBS
2. Outage is requested for the following line section:
  - a) Substation \_\_\_\_\_ b) Feeder: -----
  - c) From pole \_\_\_\_\_ to pole \_\_\_\_\_ including all laterals and taps in between these poles.
3. Outage requested on \_\_\_\_\_ From \_\_\_\_\_ Hrs to \_\_\_\_\_ Hrs.
4. Purpose: \_\_\_\_\_
5. Mr. \_\_\_\_\_ Having signature \_\_\_\_\_ is authorized to receive the

outage and give clearance after completion of the work.

Requested by  
Contractor

Recommended by  
SAE, BREB or AJE, PBS

Countersigned by  
AE/XEN, BREB or JE, PBS

6. Name & location of device by which the line section will be put out of service:  
Substation \_\_\_\_\_ Ckt. \_\_\_\_\_ Village -----  
Name of equipment: ----- Pole: -----
7. Grounds required: 3φ / 1φ
8. No. of consumer affected (approximate)
  - a) Domestic \_\_\_\_\_ b) Industrial \_\_\_\_\_ c) Agricultural -----

Approved by \_\_\_\_\_ AGM(O&M)

Clearance is hereby given for re-energization of the above line section with immediate effect.

Authorized signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Copy to: JE, PBS/ AE of BREB (if applicable)/ Contractor or requesting person.

BANGLADESH RURAL ELECTRIFICATION BOARD				
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**BANGLADESH RURAL ELECTRIFICATION BOARD**

BREB Form No. 459

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Office of the Executive Engineer, BREB

Ref:-


Date:

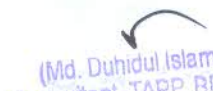
**NOTICE OF ELECTRICAL SUB-STATION/ LINE ENERGIZATION**


To \_\_\_\_\_ AGM (O&M) of \_\_\_\_\_ PBS -----  
 Sub-Station \_\_\_\_\_ Circuit \_\_\_\_\_ Group -----  
 Contractor \_\_\_\_\_ Work Order No. -----  
 Schedule line energization Date: \_\_\_\_\_ Time: -----  
 Line sections to be energized:


Sl. No.	Pole Number		Remarks (Back Bone/ Lateral/ Left Tap/ Right Tap etc.)
	From	To	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			


<b>BANGLADESH RURAL ELECTRIFICATION BOARD</b>				
PBS Instruction 100-20/ BREB Instruction 500-07:				
<b>ENERGIZATION AND COMMISSIONING OF ELECTRIC DISTRIBUTION SYSTEM.</b>				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
07/03/1979	BREB	BREB Board	Page 24 of 25	4
Revision Date: 31/04/1995, 14/11/1996, 01/09/2013 & 19/02/2020				


  
 (Md. Mezbur Rahman)  
 Consultant, TAPP, BREB


  
 (Md. Duhidul Islam)  
 Consultant, TAPP, BREB

  
 (Md. Mozammel Haque)  
 Consultant, TAPP, BREB

  
 (Md. Abdul Khaleque)  
 Consultant, TAPP, BREB

  
 (Md. Ahsanul Haque)  
 Consultant, TAPP, BREB

  
 (Debasish Chakraborty)  
 PD, TAPP, BREB

  
 (Kamrul Ahsan Mollah)  
 Asst. Secy. (Board), BREB

৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

**BANGLADESH RURAL ELECTRIFICATION BOARD**

BREB Form No. 459

(Page-2 of 2)

(Back page)

Information for installed equipment of constructed electric sub-station/ lines (transformer, re-closer/ breaker, air break switches by-pass switches, fuse cutouts, voltage regulators etc.)

SL No.	Sub-Station Name and ID No. (For SS Energization)	Name of Equipment	Manufacturer's Serial No	Location or SS Data		KVA/ Amp Rating	Phase of Install
				Pole No./ SS Name	Vill/ Baza/ SS ID		

**Notified** that the sub-station/line section and equipment shown in page 1 & 2 is ready for energization.

-----  
Signature of contractor

Certified that the above Sub-station/ line section is ready for energization.

-----  
Consultant Inspector/Jr. Engineer/RE or PE BREB LCI/ SAE/ AE or AJE/JE/AGM(E&C)

The Sub-station (Sub-station Testing & Commissioning form is enclosed)/

Line section is approved for energization.

-----  
Executive Engineer, REB or Sr GM/ GM

The Sub-station/ line sections as per above statement is/are taken over.

-----  
Copy to:- Sr GM/GM/ AGM(O&M)/ Consultant/Contractor

1. \_\_\_\_\_ BREB/ Consultant/ Contractor

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-20/ BREB Instruction 500-07:				
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(Md. Mozibur Rahman)  
Consultant TAPP BREB

(Md. Duhidul Islam) Consultant TAPP BREB  
(Md. Mozammel Haq) Consultant TAPP BREB

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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

(Kamrul Ahsan Mollik)  
Asst. Secy. (Board), BREB.